Ontario

FACT SHEET

Ministry of the Environment

May 2013

Managing Pests in Lawns and Gardens

Ontario's cosmetic pesticides ban took effect April 22, 2009. While it means that many herbicides, fungicides and insecticides can no longer be sold or used for cosmetic purposes on lawns and gardens, you can still have a beautiful lawn and garden using natural methods and greener alternatives.

Natural methods for managing pests

Having a green and healthy lawn and garden now has a new meaning. It's a new way of thinking that takes a bit more planning, but it's worth the effort.

Maintaining a healthy lawn and garden is your best defence against unwanted weeds and pests. Simply using proper mowing, aeration, watering, fertilization and seeding techniques produces a healthy, thick lawn that can discourage weeds and will be better able to resist insect infestations.

It is important to remember that insects are a natural part of lawns. Many beneficial insects live in and around your lawn and garden. They can help maintain the health of your garden, attract birds, pollinate plants and reduce unwanted pests. Regular inspection of your lawn and garden can help detect insect infestation problems. Look for signs of insect-related problems on leaves, stems, roots, thatch and soil.

Ask a garden expert or your local garden centre for advice on managing pests. Many lawn care companies and landscapers can also offer advice and services.

For more information:

Visit the ministry's site for healthy lawn and garden tips at www.ontario.ca/environment,.

For useful tips on growing vegetables, fruit, ornamental plants and lawns without pesticides, see the Gardener's Handbook produced by the Ministry of Agriculture, Food and Rural Affairs.

Controlling Plants Poisonous to the Touch

Domestic products which contain glyphosate or glufosinate ammonium in ready-to-use containers are allowed for use around the home or cottage to control plants poisonous to the touch, such as poison ivy. These products have been placed in Class 7 and are called 'controlled sales' products. Controlled sales products have both cosmetic and non-cosmetic

uses on their labels. Under the ban, the cosmetic uses of these products are not allowed. For example:

- Class 7 products cannot be used on driveways, patios, lawns or gardens to control weeds or other vegetation as these are cosmetic uses, but can be used to control plants poisonous to humans by touch (e.g., poison ivy, giant hogweed).

- Class 7 products cannot be used to control lawn or garden pests as these are cosmetic uses but can be used to control biting or stinging pests as directed on the label. Class 7 products can be used inside the home or immediately around the outside perimeter to control indoor pests as directed on the label.

Lower risk pesticides and biopesticides

Gardeners can still purchase and use certain lower risk pesticides and biopesticides to manage weeds, insects and plant diseases. The biopesticides are those designated by Health Canada's Pest Management Regulatory Agency. Lower risk pesticides have characteristics such as low toxicity to humans, minimal impact to the environment, and act in a non-toxic way in controlling intended pests.

These products are listed in Class 5 (less hazardous) and Class 6 (least hazardous) and contain ingredients listed in Class 11 under Ontario Regulation 63/09. You can view these lists on the ministry's website at www.ontario.ca/pesticideban. To search for a specific product, use the database on the ministry website: http://app.ene.gov.on.ca/pepsis.

Lower risk pesticides and biopesticides that can be used to manage some common pests of lawns and gardens are provided in the attached chart. Note that the products on the list may change as newly registered pesticides are classified for sale and use in Ontario, or as products are reclassified or declassified.

Under provincial pesticide legislation, a pesticide must be registered under the *Pest Control Products Act* administered by Health Canada's Pest Management Regulatory Agency and classified for legal sale and use in Ontario. Products must be used according to label directions and for purposes allowed under the ban.

Important tips for using biopesticides

Some biopesticide products (e.g. *Bacillus thuringiensis*, *Phoma macrostoma*) are living organisms that can be very sensitive to environmental conditions such as sunlight, rain, humidity or temperature. Beneficial nematodes are also live organisms.

You will increase effectiveness if you apply biopesticides and nematodes when the environmental conditions are most suitable for their survival. For example, nematodes are extremely sensitive to sunlight, moisture and temperature and should be applied:

- in overcast conditions
- to moist soil which is irrigated 24 hrs following application
- when soil temperatures are no less than 11°C.

You also need to consider the life stages or activity of the pest and when they are most susceptible to the biopesticides. Many biopesticides used to control insects work best against younger stages and efficacy is greatly reduced when applied against older stages.

Most biopesticides require direct contact with the pest to be effective. Thorough coverage of all affected plant surfaces is critical for effective control. This can be a challenge when targeting insect pests such as aphids, which are typically found in protected locations under or within the leaf.

Directions on biopesticide labels will provide homeowners with important information. For the best results, correctly identify pests and follow label instructions.

For more information call:

Public Information Centre
Ministry of the Environment
Tel: 416-325-4000 or 1-800-565-4923

Available Domestic Products that are Lower Risk or Biopesticides for Common Lawn and Garden Pests

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Lawns	Weeds (use only to control specific broadleaf weeds and grasses identified on the product label)	Acetic acid	• Eco-Clear For Fast Acting Weed Control (26522) • Green Earth Weed & Grass Killer Ready-To-Use (29054) • Green Earth Weed & Grass Killer (29822) • Green Earth Weed & Grass Killer (2) (29823) • Grotek Elimaweed Ready To Use Non Selective Herbicide (28807) • Munger Horticultural Vinegar (29406) • Turf Revolution Weed Knock-Out Liquid Herbicide (29919) • Weed Terminator (30477)	Spot treat individual weeds until thoroughly wet, avoid spraying surrounding grass. Apply in sunny warm weather to young actively growing weeds.
		Corn gluten meal	• Amaizeingly Green Weed n' Feed Fertilizer (2008055C) • Bioprotec Inhib (29144) • C-I-L Golfgreen Bio-Weed & Feed Lawn Fertilizer 9-0-0 with 98% Corn Gluten (2009053C) • C-I-L Golfgreen Crabgrass Doctor Lawn Fertilizer With 98% Corn Gluten Meal 9-0-0 (2010023C) • Garden Gallery 10-0-0 Weed & Feed Turf Fertilizer (2011039C) • Gogreen Amazeingly Green Corn Gluten Meal Herbicide (28647) • Green Earth EcoTurf BioWeed and Feed Lawn Fertilizer 9-0-0 with 98% Corn Gluten (2009054C) • Nutrite Pre-Emergent Crabgrass Weed Seed Germination Inhibitor (27727) • Premier Pro-Mix bio-Weed & Feed Lawn Fertilizer 9-0-0With 98% Corn Gluten Meal (2012079C) • President's Choice Weed Seed Inhibitor & Lawn Fertilizer (2008049C) • Professional Turf Fertilizer Bio-Weed & Feed 9-0-0 With 98% Corn Gluten (2010024C) • Schultz Bio-Weed & Feed Lawn Fertilizer 9-0-0 With 98% Corn Gluten Meal (2012078C) • Scotts Turf Builder Lawn Fertilizer 10-0-0 with Weed Prevent (2009025C) • Scotts Turf Builder Weed Prevent Corn Gluten Meal Herbicide (29060) • TurfMaize Bioweed N'Feed Lawn Fertilizer 9-0-0 (2007001C) • TurfMaize Corn Gluten Herbicide Pre-Emergent Weed Seed Germination Inhibitor (27491) • Turf Revolution Corn Gluten Meal Weed Herbicide (30441) • Turf Revolution Corn Gluten Meal Weed & Feed 8-1-6 (2011045C)	Inhibits germination of weed seeds. Does not control emerged weeds. Apply in early spring (when forsythia is in bloom), late summer and early fall when soil is moist and rainfall is expected, or lawn watered within 2 days after application.

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Lawns	Weeds (use only to control specific broadleaf weeds and grasses identified on the product label)	Liquid corn gluten	• Green It Liquid Bio-Herbicide Corn Gluten Weed Preventer (30039) • Wilson Weedout Liquid Dandelion & Crabgrass Preventer (30495)	Inhibits germination of weed seeds. Does not control emerged weeds. Apply to dry or moist soil. Do not apply to excessively saturated soil, or if rain forecasted within 24 hours of application.
		Soap (ammonium soaps of fatty acid)	• Finalsan Concentrate (29017) • Raid Earthblends Grass & Weed Killer (29335) • Scotts Ecosense Pathclear Herbicidal Soap Concentrate Grass & Weed Killer (29301)	Apply in warm dry weather to young actively growing weeds for best results. Spot treat individual weeds, thoroughly covering with spray. Avoid spraying surrounding grass.
		Iron (as FeHEDTA)	• Fiesta Broadleaf Killer For Lawns (29539) • Scotts Ecosense Weed B Gon Ready-To-Use Weed Control (29694) • Scotts Ecosense Weed B Gon Ready-To-Use Weed Control with Quick Connect Sprayer (29695) • Scotts Ecosense Weed B Gon Ready-To-Use Weed Control with Pull'n Spray Applicator (29834) • Scotts Ecosense Weed B Gon Weed Control Concentrate (30144) • Scotts Ecosense Weed B Gon Ready-To-Spray Weed Control (30145) • Scotts EZ Lawn Weed Control Ready-To-Use (30856) • Scotts EZ Lawn Weed Control With Pull'n Spray Applicator (30878) • Scotts EZ Weed Ready-To-Use Weed Control With Wand Applicator (30911)	Water lawn prior to application. Do not apply if temperature is over 30°C.
		Sclerotinia minor	• Sarritor Selective Biological Lawn Weed Killer (28546)	Spot treat individual weeds. Apply when daytime temperatures are 18-24°C and rainfall or watering occurs within 12 hours of application.
		Citric Acid + Lactic Acid	• Bioprotec Lawn Herbicide Concentrate (30881) • Bioprotec Lawn Herbicide Ready To Use (30883)	Begin application in May and repeat every 14 days at least 5 times per season.

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Lawns	Moss	Ferrous sulphate	• Greenleaf Moss Control (25250) • Scotts Turf Builder Lawn Fertilizer 22-2-2 With 5.75% Iron & Moss Control With 17.5% Ferrous Sulphate (2002013C) • Wilson Hose Spray Moss Killer & Lawn Food 5-0-0 (920003C)	Water lawn or moss infested area before application. Water in after application to wash off grass blades.
		Soap (potassium salts of fatty acid	• Safer's De-Moss Moss Killer Herbicide (18418)	Water lawn or moss infested area before application. Water in after application to wash off grass blades.
		Iron (as FeHEDTA)	• Fiesta Broadleaf Killer For Lawns (29539) • Scotts Ecosense Weed B Gon Ready-To-Use Weed Control (29694) • Scotts Ecosense Weed B Gon Ready-To-Use Weed Control with Quick Connect Sprayer (29695) • Scotts Ecosense Weed B Gon Ready-To-Use Weed Control with Pull'n Spray Applicator (29834) • Scotts Ecosense Weed B Gon Weed Control Concentrate (30144) • Scotts Ecosense Weed B Gon Ready-To-Spray Weed Control (30145) • Scotts EZ Lawn Weed Control Ready-To-Use (30856) • Scotts EZ Lawn Weed Control With Pull'n Spray Applicator (30878) • Scotts EZ Weed Ready-To-Use Weed Control With Wand Applicator (30911)	Water lawn prior to application. Do not apply if temperature is over 30°C.
	Slugs and Snails	Ferric sodium	• Safer's Slug & Snail Killer (28775)	Apply to soil in the evening when soil is moist.
	White grubs (e.g., larvae of European chafer, Japanese beetles)	Nematodes	Can be purchased at most garden centres (Naturally occurring microscopic worms are exempt under the *Pesticides Act* and Regulation 63/09)	Apply in late summer to early fall if larvae are present.
	Crane fly larva			Apply in early morning or late afternoon, or on cloudy days.
	Bluegrass billbug			Water the infested area before and after applying nematodes to keep the soil moist.

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Driveways Patios Sidewalks	Weeds (use only to control specific broadleaf weeds and grasses identified on the product label)	Fatty acid (herbicidal soap)	• Safer's Superfast Patio Weed Killer (24333) • Safer's Superfast Patio Weed Killer RTU (23775) • Safer's Superfast Patio Weed Killer (Fast Acting) (23776) • Safer's Topgun Weedkiller (23254) • Safer's Topgun Weed Killer (Fast Acting) (22244) • Safer's Topgun Weed Killer Herbicide (22245)	Apply in spring/summer to young actively growing weeds. Avoid contact with desirable plants and grasses.
		Soap (ammonium soaps of fatty acid)	• Finalsan Concentrate (29017) • Raid Earthblends Grass & Weed Killer (29335) • Scotts Ecosense Pathclear Herbicidal Soap Concentrate Grass & Weed Killer (29301) • Scotts Ecosense Moss B Gon Herbicidal Soap Ready-To-Use (29302)	Apply in warm dry weather to young actively growing weeds. Spray weed thoroughly. Avoid contact with desirable plants and grasses.
		Acetic acid	• Eco-Clear For Fast Acting Weed Control (26522) • Green Earth Weed & Grass Killer Ready-To-Use (29054) • Green Earth Weed & Grass Killer (29822) • Green Earth Weed & Grass Killer (2) (29823) • Grotek Elimaweed Ready To Use Non Selective Herbicide (28807) • Munger Horticultural Vinegar (29406) • Munger Horticultural Vinegar HS (30611) • Scotts Ecosense Pathclear Grass & Weed Control Ready -To-Use With Quickpump Applicator (30400) • Scotts Ecosense Pathclear Grass & Weed Control Ready -To-Use With Wand Applicator (30542) • Scotts Ecosense Pathclear Grass & Weed Control Spray (27933) • Scotts Ecosense Pathclear Grass & Weed Control Spray With Pull'n Spray Applicator (28179) • Scotts Ecosense Pathclear Grass & Weed Control Spray With Quick Connect Sprayer (28178) • Scotts Ecosense Fast Acting Weed Control Spray (28300) • Turf Revolution Week Knock-Out Liquid Herbicide (29919) • Weed Terminator (30477) • Wilson Total Wipeout (1) Ready-To-Use (29853) • Wilson Total Wipeout (2) Ready-To-Use (29854)	Apply in sunny warm weather to young actively growing weeds. Apply to weeds until thoroughly wet. Avoid contact with desirable plants and grasses.
	Moss	Soap (ammonium salts of fatty acid)	• Finalsan Concentrate (29017) • Scotts Ecosense Moss-B-Gon Herbicidal Soap Concentrate Moss & Algae Killer (29303) • Raid Earthblends Grass & Weed Killer (29335) • Scotts Ecosense Moss B Gon Herbicidal Soap Ready-To-Use (29302) • Scotts Ecosense Moss-B-Gon Herbicidal Soap Ready-To-Spray Moss & Algae Killer (30072)	Completely cover moss with spray. Avoid contact with desirable plants and grasses.

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Driveways Patios Sidewalks	Common ragweed	Sodium chloride	• Adios Ambros Domestic WSG (28712)	Apply prior to flowering under sunny conditions when temperature is at least 24°C. Spray weed thoroughly.

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Gardens, vegetable and flowering plants, ornamental plants	Weeds (use only to control specific broadleaf weeds and grasses identified on the product label)	Fatty acid (herbicidal soap)	• Safer's Superfast Patio Weed Killer (24333) • Safer's Superfast Patio Weed Killer RTU (23775) • Safer's Superfast Patio Weed Killer (Fast Acting) (23776) • Safer's Topgun Weedkiller (23254) • Safer's Topgun Weed Killer (Fast Acting) (22244) • Safer's Topgun Weed Killer Herbicide (22245)	Use prior to planting to prepare garden bed or spot treat individual weeds in plant beds. Apply in spring/summer to young actively growing weeds. Avoid contact with desirable plants and grasses.
		Soap (ammonium soaps of fatty acid)	• Finalsan Concentrate (29017) • Raid Earthblends Grass &Weed Killer (29335) • Scotts Ecosense Pathclear Herbicidal Soap Concentrate Grass & Weed Killer (29301) • Scotts Ecosense Moss B Gon Herbicidal Soap Ready-To-Use (29302)	Apply in warm dry weather to young actively growing weeds for best results. Spray weed thoroughly. Avoid contact with desirable plants and grasses.
		Acetic acid	• Eco Clear For Fast Acting Weed Control (26522) • Green Earth Weed & Grass Killer (29822) • Green Earth Weed & Grass Killer (2) (29823) • Green Earth Weed & Grass Killer Ready-To-Use (29054) • Grotek Elimaweed Ready To Use Non Selective Herbicide (28807) • Munger Horticultural Vinegar (29406) • Munger Horticultural Vinegar HS (30611) • Scotts Ecosense Pathclear Grass & Weed Control Ready -To-Use With Quickpump Applicator (30400) • Scotts Ecosense Pathclear Grass & Weed Control Ready -To-Use With Wand Applicator (30542) • Scotts Ecosense Pathclear Fast Acting Grass & Weed Control Spray (28300) • Scotts Ecosense Pathclear Grass & Weed Control Spray (27933) • Scotts Ecosense Pathclear Grass & Weed Control Spray With Pull'n Spray Applicator (28179) • Scotts Ecosense Pathclear Grass & Weed Control Spray With Quick Connect Sprayer (28178) • Turf Revolution Weed Knock-Out Liquid Herbicide (29919) • Weed Terminator (30477) • Wilson Total Wipeout (1) Ready-To-Use (29853) • Wilson Total Wipeout (2) Ready-To-Use (29854)	Spot treat individual weeds. Avoid contact with desirable plants and grasses.

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Gardens, vegetable and flowering plants, ornamental plants	Insects, such as aphids, whiteflies mites and earwigs (use only to control insects on specific plants identified on the product label)	Soap (alkanolamine salts of fatty acids)	• Green Earth Insecticidal Soap Hose Spray (21321) • Pro Insecticidal Soap Concentrate (27812)	Spray to thoroughly wet leaves and stems.
		Soap (triethanolamine salts of fatty acids)	• Green Earth Insecticidal Soap (21111) • Green Earth Ready-To-Spray Insecticidal Soap (21112) • Green Earth Ready To Use Insecticidal Soap (1) (30187)	Spray to thoroughly wet leaves and stems.
		Soap (potassium soaps/salts of fatty acids)	• Bioprotec SOP Insecticidal Soap (27963) • Insect Stop Insecticidal Soap (26470.3) • Safer's 3 In 1 Garden Spray (27894) • Safer's Aphid & Whitefly Killer (19444) • Safer's Insecticidal Soap (14668) • Safer's Insecticidal Soap (23651) • Safer's Rose & Flower Insecticide (19929) • Safer's Rose & Flower Insecticide (20793) • Safer's Rose & Flower Insecticide R.T.U. (18355) • Safer's Spider Mite Spray (19445) • Safer's Tomato and Vegetable Insecticide (29786) • Scotts Ecosense Bug-B-Gon Insecticidal Soap Concentrate (28377) • Scotts Ecosense Bug-B-Gon Insecticidal Soap Ready-To-Spray Concentrate (29272) • Scotts Ecosense Bug-B-Gon Insecticidal Soap Ready-To-Use (28376) • Scotts Ecosense Bug-B-Gon Insecticidal Soap Ready-To-Use with Pull'n Spray Applicator (29269) • Scotts Ecosense Bug-B-Gon Insecticidal Soap Ready-To-Use with Quick Connect Sprayer (29271)	Apply to upper and lower leaf surfaces. Do not apply to sensitive plant species.
	Mites (Use only to control mites on specific plants identified on the product label)	Lime Sulphur	• Later's Lime Sulphur Solution (6335) • Lime Sulphur (27978)	Apply once mites appear. Timing of application varies with plant type.
		Sulphur	• Green Earth Garden Fungicide Ready To Use (21880) • Green Earth Garden Sulphur Fungicide Miticide (21890) • King Eco-Way Fruit Tree & Garden Fungicide Spray or Dust (29572) • King Eco-Way Rose & Flower Fungicide Dust (29571) • Later's Garden Sulphur Fungicide (5293) • Safer's Sulphur Dust Fungicide Miticide (19703) • Safer's 3 In 1 Garden Spray (27894)	Apply once mites appear. Timing of application varies with plant types. Follow label recommendations to avoid plant injury.

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Gardens, vegetable and flowering plants, ornamental plants	Mites	Ferrous Sulphate	• Greenleaf Moss Control (25250)	Apply to infested plants until thoroughly wet.
	Slugs and Snails	Ferric sodium	• Safer's Slug & Snail Killer (28775)	Apply to soil near plants and/or around perimeter of garden plots in the evening when soil is moist.
		Ferric phosphate	• Escar-Go Slug And Snail Bait (29120) • Scotts Ecosense Slug-B-Gon Slug & Snail Bait (28375) • Sluggo Slug and Snail Bait for Gardens (26102)	Apply to soil near plants and/or around the perimeter of garden plots. Apply in the early morning or evening when soil is moist.
		Copper barriers (copper strips)	Can be purchased at most garden centres (barriers and strips are not subject to the *Pesticides Act* and Regulation 63/09 requirements)	Place in garden beds or directly around plants.
	Slugs	Silicon dioxide (diatomaceous earth)	• Green Earth Slug & Bug Insect Killer Dust (26622) • Insecolo All Purpose Insecticide (21149) • King Eco-Way Slug Killer (29562) • Pro Green Earth S.D. Insect Dust (28746) • Raid EarthBlends Ant & Earwig Dust (27185) • Wilson AntOut Ant Killer Dust (1) (21936)	Apply around plants and gardens where slugs are feeding. Do not apply to food crops.
	Whitefly	Sulphur	• Safer's 3 In 1 Garden (27894)	Apply to thoroughly cover upper and lower leaf surfaces. Insects must be sprayed directly.
	Caterpillars (use only to control caterpillars on specific plants identified on the product label)	*Btk* (*Bacillus thuringiensis kurstaki)*	• Bioprotec Eco (27251) • *Btk*-Bioinsecticide (27251.01) • Safer's *Btk* Biological Insecticide (24536)	Apply evenly to leaves when caterpillars are young and small and repeat application if necessary.
		Silicon dioxide (diatomaceous earth)	• Green Earth Slug & Bug Insect Killer Dust (26622) • Insecolo All Purpose Insecticide (21149) • King Eco-Way Bug Killer Dust (29605) • Pro Green Earth S.D. Insect Dust (28746) • Raid EarthBlends Ant & Earwig Dust (27185)	Apply around plants gardens where caterpillars are feeding. Do not apply to food crops.
	Earwigs	Silicon dioxide (diatomaceous earth)	• Green Earth Slug & Bug Insect Killer Dust (26622) • Insecolo All Purpose Insecticide (21149) • Insectigone Earwig Killer (21341) • King Eco-Way Bug Killer Dust (29605) • King Eco-Way Slug Killer (29562) • Pro Green Earth S.D. Insect Dust (28746) • Raid EarthBlends Ant & Earwig Dust (27185)	Apply around plants gardens where caterpillars are feeding. Do not apply to food crops.

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Gardens, vegetable and flowering plants, ornamental plants	Diseases, such as black spot, powdery mildew and rust (use only to control disease on specific plants identified on the product label)	Copper (from tribasic copper sulphate)	• Green Earth Bordo Copper Spray (17482) • King Eco-Way PTV Potato, Tomato & Vegetable Fungicide Spray (29968)	Apply to plants at first sign of disease thoroughly wetting leaves and stems.
		Ferrous Sulphate	• Greenleaf Moss Control (25250)	Spray thoroughly at first sign of disease.
		Sulphur	• Green Earth Garden Fungicide Ready To Use (21880) • Green Earth Garden Sulphur Fungicide Miticide (21890) • King Eco-Way Fruit Tree & Garden Fungicide Spray or Dust (29572) • King Eco-Way Rose & Flower Fungicide Dust (29571) • Later's Garden Sulphur Fungicide (5293) • Safer's 3 In 1 Garden Spray (27894) • Safer's Defender Garden Fungicide II (20812) • Safer's Defender Garden Fungicide Concentrate (19691) • Safer's Defender Garden Fungicide Ready To Use (19061) • Safer's Defender Rose and Flower Fungicide (29429) • Safer's Sulphur Dust Fungicide Miticide (19703)	Apply to plants at first sign of disease.
		Lime Sulphur	• Green Earth Lime Sulphur Concentrate (7386) • Green Earth Lime Sulphur Concentrate (7386.06) • Later's Lime Sulphur Solution (6335) • Lime Sulphur (27978) • Wilson Liquid Lime Sulphur (1) Insecticide/Fungicide (23782)	Apply to infested plants until thoroughly wet.
		Bacillus Subtilis Qst 713 Strain	• Green Earth Bio-Fungicide Tomato & Vegetable Disease Control (30159) • Green Earth Bio-Fungicide Rose & Flower Disease Control (30160) • Serenade Garden Concentrate (28628) • Serenade Garden Ready to Use (28629)	Apply at first sign of disease, or, when environmental conditions are conducive to disease development, thoroughly wetting leaves and stems.
		Citric Acid + Lactic Acid	• Lacto-San-D (30109) • Bioprotec Fungicide & Bactericide Tomato & Vegetable Garden (30457) • Bioprotec Fungicide Roses (30458)	Apply when environmental conditions are conducive to disease development thoroughly wetting leaves and stems.
		Garlic powder	• Bioprotec Fruit Tree Fungicide Concentrate (30606) • Bioprotec Fruit Tree Fungicide Ready To Use (30609)	Ensure target foliage is thoroughly covered. Do not apply before heavy rainfall.

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Fruit Trees and ornamental Shrubs	Insects, such as scale, mites and aphids (use only to control insects on specific plants identified on the product label)	Dormant oil (mineral oil)	• Green Earth Horticultural Oil Insect Spray (21348) • Liquid Insecticide Oil Spray For Dormant Trees (25307) • Petro Canada Purespray Green Concentrate (30227) • Wilson Liquid Dormant Oil Spray Insecticide (9221)	Apply to plants in early spring when danger of frost is past, before leaf buds show green at tips. Can be used to control pests on woody ornamentals during growing season.
		Soap (alkanolamine salts of fatty acids)	• Green Earth Insecticidal Soap Hose Spray (21321) • Pro Insecticidal Soap Concentrate (27812)	Spray to thoroughly wet leaves and stems.
		Soap (triethanolamine salts of fatty acids)	• Green Earth Insecticidal Soap (21111) • Green Earth Ready-To-Spray Insecticidal Soap (21112) • Green Earth Ready To Use Insecticidal Soap (1) (30187)	Spray to thoroughly wet leaves and stems.
		Soap (potassium soaps/salts of fatty acids)	• Bioprotec SOP Insecticidal Soap (27963) • Insect Stop Insecticidal Soap (26470.3) • Safer's 3 In 1 Garden Spray (27894) • Safer's Aphid & Whitefly Killer (19444) • Safer's Insecticidal Soap (14668) • Safer's Insecticidal Soap (23651) • Safer's Spider Mite Spray (19445) • Safer's Tomato and Vegetable Insecticide (29786) • Scotts Ecosense Bug-B-Gon Insecticidal Soap Concentrate (28377) • Scotts Ecosense Bug-B-Gon Insecticidal Soap Ready-To-Spray Concentrate (29272) • Scotts Ecosense Bug-B-Gon Insecticidal Soap Ready-To-Use (28376) • Scotts Ecosense Bug-B-Gon Insecticidal Soap Ready-To-Use with Pull'n Spray Applicator (29269) • Scotts Ecosense Bug-B-Gon Insecticidal Soap Ready-To-Use with Quick Connect Sprayer (29271)	Apply directly to insects when infestation first sighted. Do not apply to sensitive plant species.
	Mites	Sulphur	• Green Earth Garden Fungicide Ready To Use (21880) • Green Earth Garden Sulphur Fungicide Miticide (21890) • King Eco-Way Fruit Tree & Garden Fungicide Spray or Dust (29572) • King Eco-Way Rose & Flower Fungicide Dust (29571) • Safer's Sulphur Dust Fungicide Miticide (19703) • Safer's 3 In 1 Garden (27894)	Apply to thoroughly cover upper and lower leaf surfaces.
		Ferrous Sulphate	• Greenleaf Moss Control (25250)	Apply to infested plants until thoroughly wet.

Location	Pest(s)	Ingredient	Products Containing Ingredient (Registration #)	General Use Information
Fruit Trees and ornamental Shrubs	Mites	Lime Sulphur	• Green Earth Lime Sulphur Concentrate (7386) • Green Earth Lime Sulphur Concentrate (7386.06) • Later's Lime Sulphur Solution (6335) • Lime Sulphur (27978) • Wilson Liquid Lime Sulphur (1) Insecticide/Fungicide (23782)	Apply to infested plants until thoroughly wet.
	Whitefly	Sulphur	• Safer's 3 In 1 Garden (27894)	Apply to thoroughly cover upper and lower leaf surfaces.
	Slugs and snails	Ferric phosphate	• Escar-Go Slug And Snail Bait (29120) • Scotts Ecosense Slug-B-Gon Slug & Snail Bait (28375) • Sluggo Slug and Snail Bait for Gardens (26102)	Apply evenly over moist soil nearby where slugs and snails are feeding.
		Ferric sodium	• Safer's Slug & Snail Killer (28775)	Apply to soil near plants and/or around perimeter of garden plots in the evening when soil is moist.
	Caterpillars	*Btk* (*Bacillus thuringiensis kurstaki)*	• Bioprotec Eco (27251) • *Btk*-Bioinsecticide (27251.01) • Safer's *Btk* Biological Insecticide (24536)	Apply evenly to leaves when caterpillars are young and small.
	Diseases (e.g.scab, black spot, brown rot, leaf spot, black knot, peach leaf curl, powdery mildew) (use only to control disease on specific plants identified on the product label)	Copper (from tribasic copper sulphate)	• Green Earth Bordo Copper Spray (17482) • King Eco-Way Potato, Tomato & Vegetable Fungicide Spray (29968)	Apply to plants at first sign of disease thoroughly wetting leaves and stems.
		Lime sulphur	• Green Earth Lime Sulphur Concentrate (7386) • Green Earth Lime Sulphur Concentrate (7386.06) • Later's Lime Sulphur Solution (6335) • Lime Sulphur (27978) • Wilson Liquid Lime Sulphur (1) Insecticide/Fungicide (23782)	Do not apply in high temperatures. Apply to infested plants until thoroughly wet.
		Sulphur	• Green Earth Garden Fungicide Ready To Use (21880) • Green Earth Garden Sulphur Fungicide Miticide (21890) • King Eco-Way Fruit Tree & Garden Fungicide Spray or Dust (29572) • King Eco-Way Rose & Flower Fungicide Dust (29571) • Later's Garden Sulphur Fungicide (5293) • Safer's 3 In 1 Garden Spray (27894) • Safer's Defender Garden Fungicide Concentrate (19691) • Safer's Defender Garden Fungicide II (20812) • Safer's Defender Garden Fungicide Ready To Use (19061) • Safer's Defender Rose & Flower Fungicide (29429) • Safer's Sulphur Dust Fungicide Miticide (19703)	Do not apply in high temperatures. Apply to thoroughly cover upper and lower leaf surfaces.
		Ferrous Sulphate	• Greenleaf Moss Control (25250)	Spray thoroughly at first sign of disease.
		Garlic powder	• Bioprotec Fruit Tree Fungicide Concentrate (30606) • Bioprotec Fruit Tree Fungicide Ready To Use (30609)	Cover foliage thoroughly when heavy rainfall is not imminent.